

What is claimed is:

1. A cushion mat with a free rotational ball, the cushion mat comprising:

5 a plurality of rotational ball units each having a rotational ball for rotating whenever a person sitting on the cushion mat is in motion, and a housing for housing the rotational ball; and

10 a connection string for passing through each of the plurality of rotational ball units in zigzags to unite and fix the plurality of rotational ball units.

2. The cushion mat according to claim 1, wherein the rotational ball is formed of a material radiating a far infrared
15 ray.

3. The cushion mat according to claim 1, wherein the rotational ball has a diameter of 10 - 30 mm.

20 4. The cushion mat according to claim 1, wherein the housing includes an upper housing having a circular through-hole formed at a center thereof to expose the rotational ball, and a lower housing for housing the rotational ball assembled to the upper housing within a certain space.

5. The cushion mat according to claim 1, wherein the housing has a circular through-hole formed at an upper portion thereof to expose the rotational ball, and a ventilation through-hole formed at a lower portion thereof.

6. The cushion mat according to claim 1, wherein the housing has mutually contactable side surfaces rounded to form a gap space between the side surfaces so as to reduce a friction force when the plurality of rotational ball units is connected with one another.

7. The cushion mat according to claim 1, wherein the housing has a groove formed at a mutually contactable side surface so as to reduce a friction force when the plurality of rotational ball units is connected with one another.

8. A cushion mat with a free rotational ball, the cushion mat comprising:

20 a first wall body formed to have a rounded rectangular shape with a large height, a plurality of assembly recesses concaved at a lower side thereof, and a paired first connection through-hole and a paired second connection through-hole formed alternately and one by one on a mutual-adjacent side surface thereof;

an upper housing comprised of a top portion being convexly extended from an upper side of the first wall body and having a circular rotational through-hole formed at a center thereof;

5 a second wall body having a plurality of assembly protrusions protruded from an upper side thereof to be correspondingly combined to the assembly recesses; and

10 a lower housing comprised of a bottom portion being perpendicularly extended from a lower side of the second wall body to close a lower portion and having a ventilation through-hole formed at a center thereof,

wherein a plurality of rotational ball units is assembled including of the upper and lower housings and the rotational balls having the spherical-shapes, the rotational balls are housed within the upper and lower housings at the time of
15 assembling the upper and lower housings to allow the rotational balls to rotate in a state in which its one portion is exposed through the rotation through-hole, and the plurality of rotational ball units is united and fixed by a connection string passing through each of the first connection through-hole and the
20 second connection through-hole in zigzags.

9. The cushion mat according to claim 8, wherein the rotational ball is formed of a material radiating a far infrared ray.

10. The cushion mat according to claim 8, wherein the rotational ball has a diameter of 10 - 30mm.

5 11. The cushion mat according to claim 8, wherein the first and second wall bodies have four rounded side surfaces.

12. The cushion mat according to claim 8, wherein the first and second wall bodies have grooves formed at four side surfaces
10 thereof.